

II. CLAIMS

1 1. A stent for implantation within a body vessel  
2 comprising:  
3 a cylindrical stent body formed of generally  
4 continuous wire, the stent body having a first diameter  
5 and a first length along the longitudinal axis; and  
6 means for preventing longitudinal stretch of the  
7 body.

1 2. The stent of claim 1 wherein body is a coil of  
2 successive windings and the means for preventing  
3 longitudinal stretch includes a wire positioned along the  
4 cylindrical stent body and attached to successive windings  
5 of the wire at its crossing points.

1 3. The stent of claim 1 wherein:  
2 the body is constructed of a helical coil of  
3 wire and further comprising:  
4 zig-zag means in the wire generally in the form  
5 of a sinusoidal wave wherein selected individual waves are  
6 hooked over waves of an adjacent winding of the helical  
7 coil.

1 4. A stent for implantation within a body vessel  
2 comprising:  
3 a cylindrical stent body formed of a continuous  
4 wire formed in a generally helical coil made of successive  
5 windings, the cylindrical body having a longitudinal axis;  
6 and  
7 means for connecting adjacent windings of a  
8 cylindrical body for preventing stretching of the helical  
9 coil along the longitudinal axis.

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